



## PERSONAL INFO

**Name:** Eslam Mohamed Mansour

**Birthday:** 09/11/1993

**Nationality:** Egyptian

**Marital Status:** Single

**Military Service:**



## CONTACT



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Egypt - Tanta – Shfaa



## CURRENT POSITION

CEO of Pearl of the East for Building And Construction , Egypt – Cairo.



## CAREER OBJECTIVE

Obtaining a position in a high quality engineering environment therefore, utilizing my skills thus; gaining further experience while enhancing the company's productivity and reputation .



## LANGUAGES

- Native Language (Arabic), fluently
- Second Language (English), very well



## EDUCATION

Bachelor's degree of Electrical Power and Machines Tanta University 2017 .

- **Overall Grade:** Very Good with Honors.
- **Grade of Project:** Excellent .
- **Project:** Development of a Complete Drivetrain System for Electric Vehicles.



## WORK EXPERIENCE AND INTERNSHIP

- Umm Al Qura University Endowment – Mecca 2015 – Present
- Pearl of the East for Building And Construction 2015
- Cairo Oil Refining Company - Tanta 2014
- Rayyan Towers in Azizia - Mecca 2013 – 2015
- Taiba Compound - Jeddah 2012 – 2015
- Al Safwa Towers – Mecca 2012 – 2013
- The King AbdulAziz Endowment - Mecca 2011 – 2013
- Expansion of King Abdulaziz Airport – Jeddah 2012
- Abdul Latif Jameel maintenance - Jeddah 2011
- Gedac Factory distribution panels - Jeddah 2011



## ATTENDANCE AND PARTICIPATION

- Simulation Council of Ministers, Banha University – 2016
- 2<sup>nd</sup> Cairo International Exhibition of Innovation – 2015
- National Science Week In AUC The American University in Cairo - 2014



## AWARDS

- Honored from the Chief of Staff of the Popular Defense Forces and military, Khalid Tawfiq – 2016
- 1<sup>st</sup> in Simulation Council of Ministers, Banha University – 2016
- 1<sup>st</sup> in High school in Mecca Region – 2012



## GENERAL SKILLS

- Work effectively both as a team member or independently, whilst under pressure.
- Work in a multinational environment.
- Handling leadership.
- Initiative and problem solver.
- Sociable and communicative.
- Prioritize workload and handle multiple tasks simultaneously.
- Work and time Management.
- Troubleshooting.
- Self-Study, with the Ability to learn more and quickly.



## SELF STUDY COURSES

- Classic Control ☐
- Distribution ☐
- SIMSTIC S7-300 and S7-200 ☐
- Autodesk AutoCAD ☐
- Autodesk Revit ☐
- Matlab ☐
- Automation Studio ☐
- Altium Designer ☐
- Multisim ☐
- Circuit Wizard ☐
- Embedded Systems ☐
- Microcontroller AVR & PIC ☐
- Proteus ☐
- PCB Design ☐
- Power Electronics ☐
- C++ , C programming ☐
- Excel Sheet. ☐
- Schneider : Power Distribution I ☐
- Schneider : Power Distribution II ☐
- Schneider : Power Distribution III ☐
- Schneider : P.F and Harmonics ☐
- Schneider : P.F and Harmonics ☐



## SELF STUDY IN PROGRESS

- International Computer Driving License (ICDL)
- Building Management System ( BMS )
- PMP
- Occupational Safety and Health Administration (OSHA)
- SCADA System
- DSC System
- SolidWorks
- Ecodial
- Etap
- Dialux



## TECHNICAL QUALITIES

### Electrical Projects & Maintenance

- Good understanding of Electrical Drawings, Planning of Projects, Erection & Maintenance.
- Both practical as well as theoretical knowledge of Different Electrical Instruments.
- Working more efficiently and productively so that maximum output comes.

### Strategic Planning

- Regular analyzing of organizations Electrical Load Consumption with Ratios and analysis.
- Planning & scheduling assignments to achieve pre-set goals within time parameters. Formulating long term/short term strategic plans to enhance operations.



## MEMBERSHIPS

- Electrical Power Association (EPA) 2013 - Present
- Resala Charity Organization 2012 - 2013
- Alrajhi Charity Organization 2009 - 2012



## HUMAN DEVELOPMENT

- Communication Skills.
- Engineering of Success.
- Planning and time management.
- Successful interlocutor.
- The art of relationships.
- The art of diction public speaking.
- How do you choose your future?
- Self-discovery.



## GRADUATION PROJECT

### Development of a Complete Drivetrain System for Electric Vehicles

The aim of this project is to develop a complete electric drive system, as a drivetrain, of an Electric Vehicle. This system is composed of two main parts: power circuits and control circuits. The power circuits consist of two-level inverter, uncontrolled rectifier, DC-link circuit, electric machine and energy storage system (ESS) unit. The power switches of the inverter are triggered by control signals, which are generated via an advanced Digital Signal Processor TMS320F28335 DSP. Then, an advanced gate drivers for isolating and amplification of the signals will handle the control signals. The control signals are obtained from implementing the control strategy within the DSP. An advanced vector control technique will be used to control torque and speed of EM. The control technique is based on speed, voltages and currents that could be measured by incremental encoder, voltage transducers and current transducers, respectively. The ESS includes battery cells, charger and Battery Management System that will control the recharging of the batteries and it can be used to utilize the dynamic energy of the vehicle in the regenerative braking process. The vehicle's components will be integrated. An experimental prototype for the EV will be set up and the dynamic performance of system will be studied.



## REFERENCE

**Abdelsalam A. Ahmed**, MIEEE , Assistant Professor  
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